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THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

FRANCESCO A. CRUPI

Serial No.: 09/592,398

Filed: June 13, 2000

For: MIXING APPARATUS AND
METHOD FOR BLENDING MILLED
ASPHALT WITH REJUVENATING
FLUID

Group Art Unit: 1723

Examiner: Unknown

Attorney Docket No.: 50063.0000-1

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

As a means of complying with the duty of disclosure set forth in 37 C.F.R. § 1.56, one sheet of Form PTO-1449 is being submitted herewith, together with a copy of each of the listed documents.

Document AA discloses a Surface Treating Apparatus. In surfacing apparatus for asphaltic surfaces and the like, there is provided a truck-drawn trailer, a hood and burner assembly having a hood suspended from the trailer open at the bottom that heats the surface over which the assembly is moved, a scarifying assembly supported by the trailer that breaks up the heated surface and a leveling device drawn behind the scarifying assembly that levels that broken surface material (Abstract). The hood and burner assembly has a refractory lined combustion chamber with a sloping roof so that the combustion chamber decreases in volume toward the trailing end for heating uniformly, a joint gap between liner members that is wider at the top and top filled to retain a gap filler material, side sections that swing up to reduce the width for transport, side extension sections that optionally may be added for greater surface widths and separate controls for different banks of burners for independent heat control of different sections of the hood (Abstract).

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Document AB discloses a Plasticizer Mixer and Method. Apparatus for use in combination with a road working machine for mixing a liquid plasticizing agent within a layer of scarified road surface material is disclosed (Abstract). The apparatus includes an array of discs for lifting and turning the scarified road surface material and a nozzle supported in a position for spraying the liquid plasticizing agent upon the road surface material as it is lifted and turned by the discs (Abstract).

Document AC discloses a Method and Apparatus for Abrading and Recoating Road Pavements. The invention relates to a method and apparatus for abrading and recoating road pavements by peeling or milling the road pavement surface which is to be renewed and coating it again, wherein the milled-off material is collected, heated, if desired, and mixed with aggregates, and is then applied as a new pavement (Abstract). The apparatus for performing this method comprises a peeling or milling unit provided on chassis, which is preferably automotive, a collector device for the peeled-off or milled-off material and, if desired, an additional road paver for the application of the new road pavement material, wherein in addition to said collector device a mixer is provided, in which the peeled-off or milled-off material may be mixed with the ingredients which are to be used for the renewed application.

Document AD discloses a Machine for Coating Milled or Peeled Road Surfaces. The invention relates to a machine for providing milled or peeled road surfaces with a coating, comprising a chassis including a drive motor and having in the front portion thereof a supply or storage container for the material to be applied and in the rear portion thereof a plank-shaped finisher wherein between said supply container and said finisher a mixing device is disposed, which is provided with a first conveyor device feeding the material from said supply container and a second conveyor device feeding the milled-off or peeled material from the ground (Abstract).

Document AE discloses a Road Surface Layer Reproducing Apparatus. Disclosed is a road surface layer reproducing apparatus which comprises a mixture hopper, a scarifier, and a mixer means including a first mixer of single-shaft rotor system and a second mixer of twin-shaft rotor system.

Document AF discloses a System for Reclaiming and Relaying Pavement in Place. A system for removing and relaying asphaltic concrete pavement using a planer pulling a laydown machine and pushing equipment for (a) screening the cuttings produced by the planer, and (b)

mixing the screened cutting, with a suitable binder, wherein the mix is conveyed back to the laydown machine (Abstract). The preferred binder to be used with the removed pavement in the disclosed mixer 52 is an emulsion (column 3, lines 1-2).

Document AG discloses a Paddle Mixer for Asphalt Pavers. A revolving paddle mixer for re-mixing a hot asphalt mix deposited in the hopper of a road paving machine is disclosed (Abstract). The mixer takes the form of a plurality of paddles angularly positioned relative to each other and mounted on a revolving shaft adjacent to the conveyor for transporting the asphalt mix material to the rotating auger (Abstract). The resultant re-mixture is more uniform and dense so that a smooth pavement is laid on the roadway (Abstract).

Document AH discloses a Road Surface Treating Apparatus. A road surface treating apparatus including a wheel-supported framework having forwardly extending arms pivotally carried thereon is disclosed (Abstract). The arms have a transversely extending tool bar mounted to their forward ends and a tool-supporting frame is detachably and adjustably mounted on the tool bar (Abstract). A cutter drum is rotatably mounted in a cutter drum housing, which is pivotally mounted on the tool-supporting frame, and the cutter drum carries circumferentially spaced rows of cutter blades each mounted for rotation about a horizontal axis (Abstract).

Document AI discloses a Mobile Asphalt Mix Plant with Component Sensing and Distinct Steering Means. A movable asphalt mixing plant which is towed behind a milling machine is disclosed (Abstract). The mixing plant includes an input conveyor which receives the crushed aggregate from the milling machine (Abstract). The aggregate is then introduced into a pug mill carried by the mobile plant (Abstract). A heated storage tank and appropriate pumps and conduits for asphaltic cement located on the mobile plant allow the asphaltic cement to be mixed with the aggregate in the pug mill (Abstract).

Document AQ is a co-pending U.S. Patent Application having the same inventor and filing date as the captioned application, and discloses a Method and Apparatus for Controlling the Mixing of Milled Asphalt Aggregate with Rejuvenating Fluid.

Document AR is a co-pending U.S. Patent Application having the same inventor and filing date as the captioned application, and discloses an Asphalt Rake with Ride Up Capability.

It is respectfully requested that the documents discussed herein and listed on the attached Form PTO-1449 be considered in connection with the examination of the claims of the captioned application.

